



USER GUIDE



ARTERIAL PUNCTURE WRIST



STANDARD ULTRASOUND

72500

72501

FOR MORE SKILLS TRAINING PRODUCTS VISIT

limbsandthings.com

Sussex Street, St Philips, Bristol, BS2 0RA, UK | sales@limbsandthings.com | +44 (0) 117 311 0500

INDEX

PACKAGE SUPPLIED	3
SAFETY & CLEANING INSTRUCTIONS	4
SET UP	5
• INITIAL SET UP	5
• CHANGING SKIN CUFF	8
• CHANGING PADS	9
• CHANGING VESSELS	10
• CONTROL SETTINGS	13
CARE & MAINTENANCE	14
• CLEANING CYCLE	14
• CLEANING THE FILTER	15
TEST CERTIFICATION	16

TAKE A LOOK
AT OUR **VIDEO**



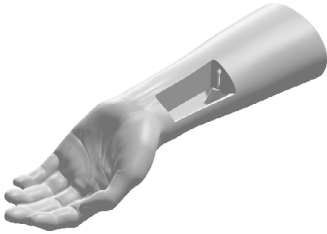
VISIT THE WEBSITE
limbsandthings.com

OR YOUTUBE CHANNEL
youtube.com/limbsandthings

PACKAGE SUPPLIED

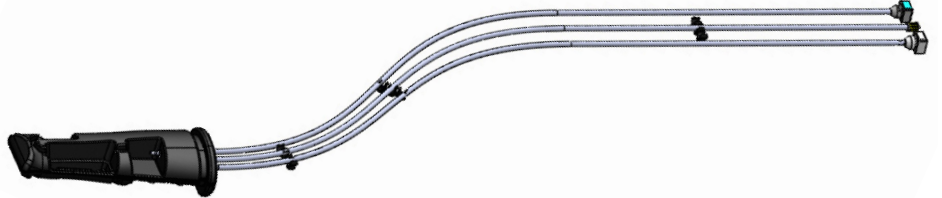
Outer Skin

72522



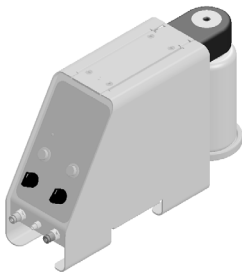
Inner Wrist

70521



Pump Unit

70520



Stand

70524



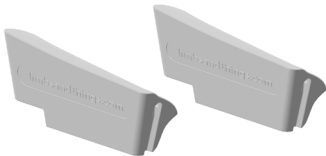
Vessels (pk 10)

70510



Standard Block (x2)

72512



Ultrasound Block (x2)

72511



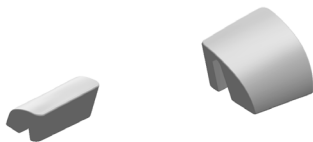
Skin Cuff

72514



Vessel Connector Covers

70523



Vessel Tube Tidies pk 3

70526



Fluid Bottle

70525



Blood concentrate

00021



International Power Supply

70527



Product Storage Box

70530



SAFETY & CLEANING INSTRUCTIONS

READ THE SAFETY INSTRUCTIONS CAREFULLY BEFORE USING YOUR ARTERIAL PUNCTURE WRIST

DO's



Follow all instructions. Keep these instructions. Heed all warnings.

Only use simulated blood supplied with this product. Use of non-recommended fluid products may weaken or damage the simulator.



Wear gloves at all times and remove all jewellery items. Sharp surfaces such as finger nails and rings can lead to damage of silicone parts.

Clean the product with a damp soft cloth or sponge, using only warm water with mild detergent, after every training session.



DON'Ts



Do not install near any heat sources, do not expose the product to flames or use near naked flame sources. Do not use flammable solvents near or on this product.

Do not set up the product near electrical appliances or items damaged by water.



Do not wear any jewellery items.

Do not disassemble the product or attempt to repair a faulty unit, please return the product to Limbs & Things for assessment and repair.



Do not leave the product filled with blood when putting into storage.

STORAGE & TRANSPORTATION

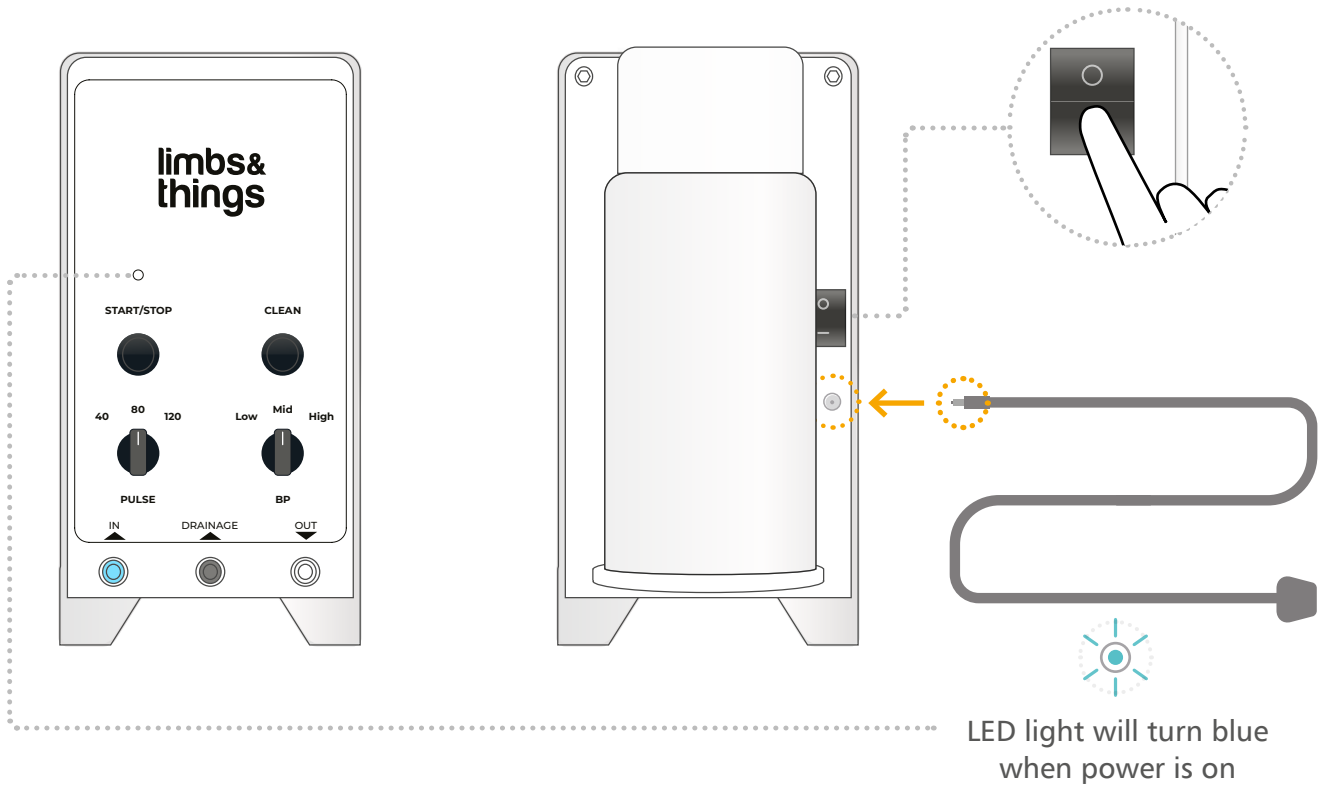


Always ensure that the products are properly packed and secured during transportation and storage in order to prevent personal injury or damage to the product.

SET UP

INITIAL SET UP

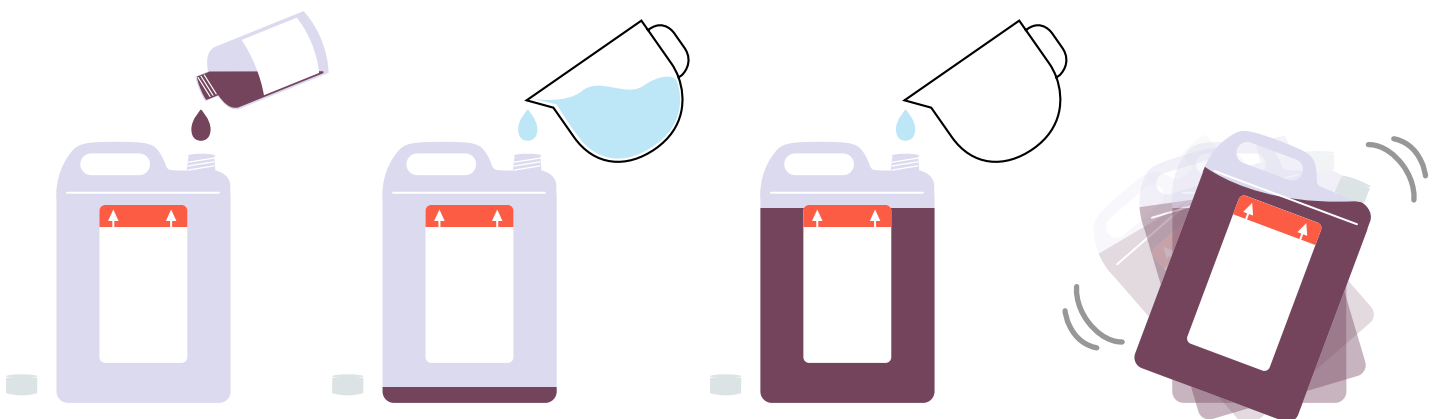
1



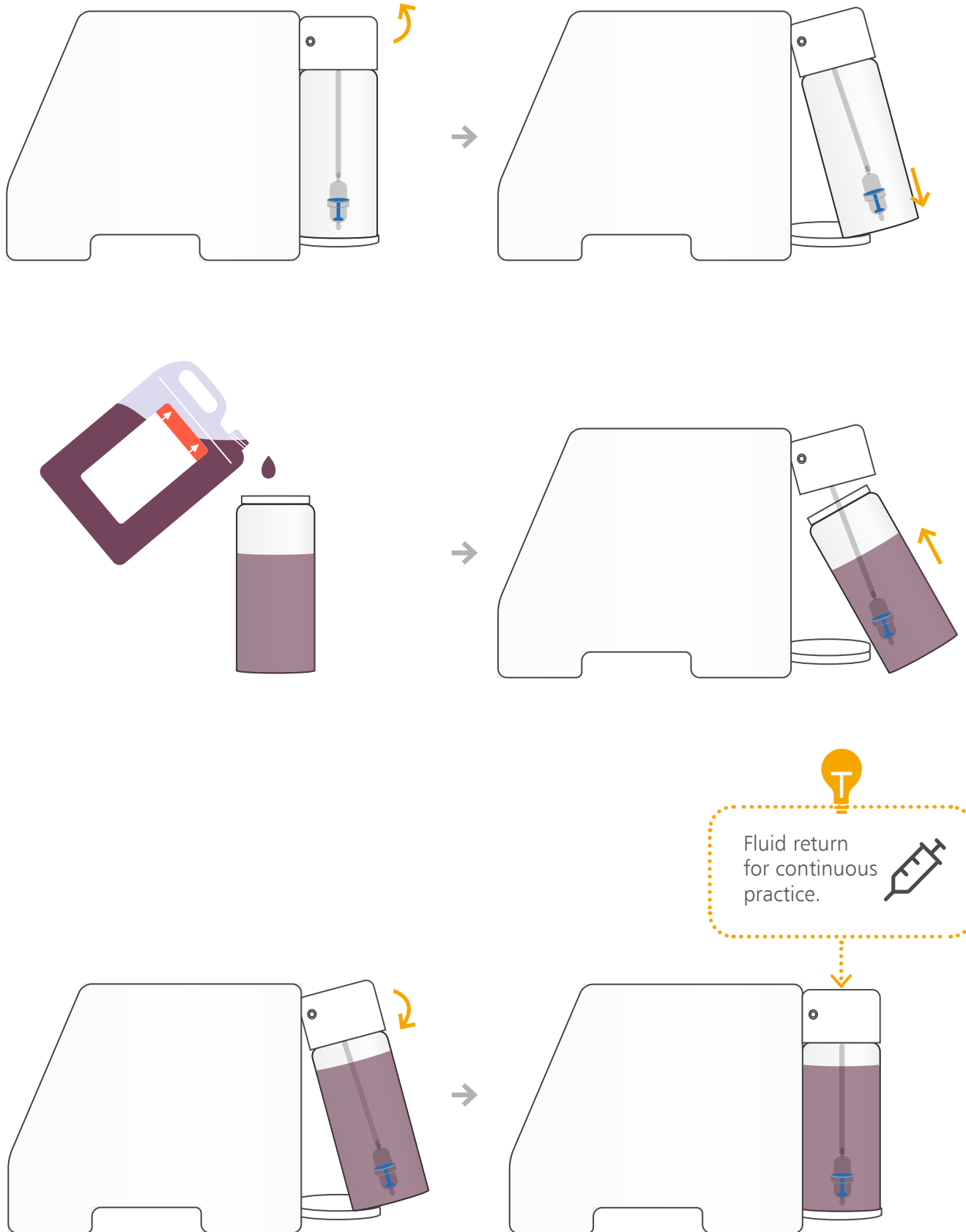
2



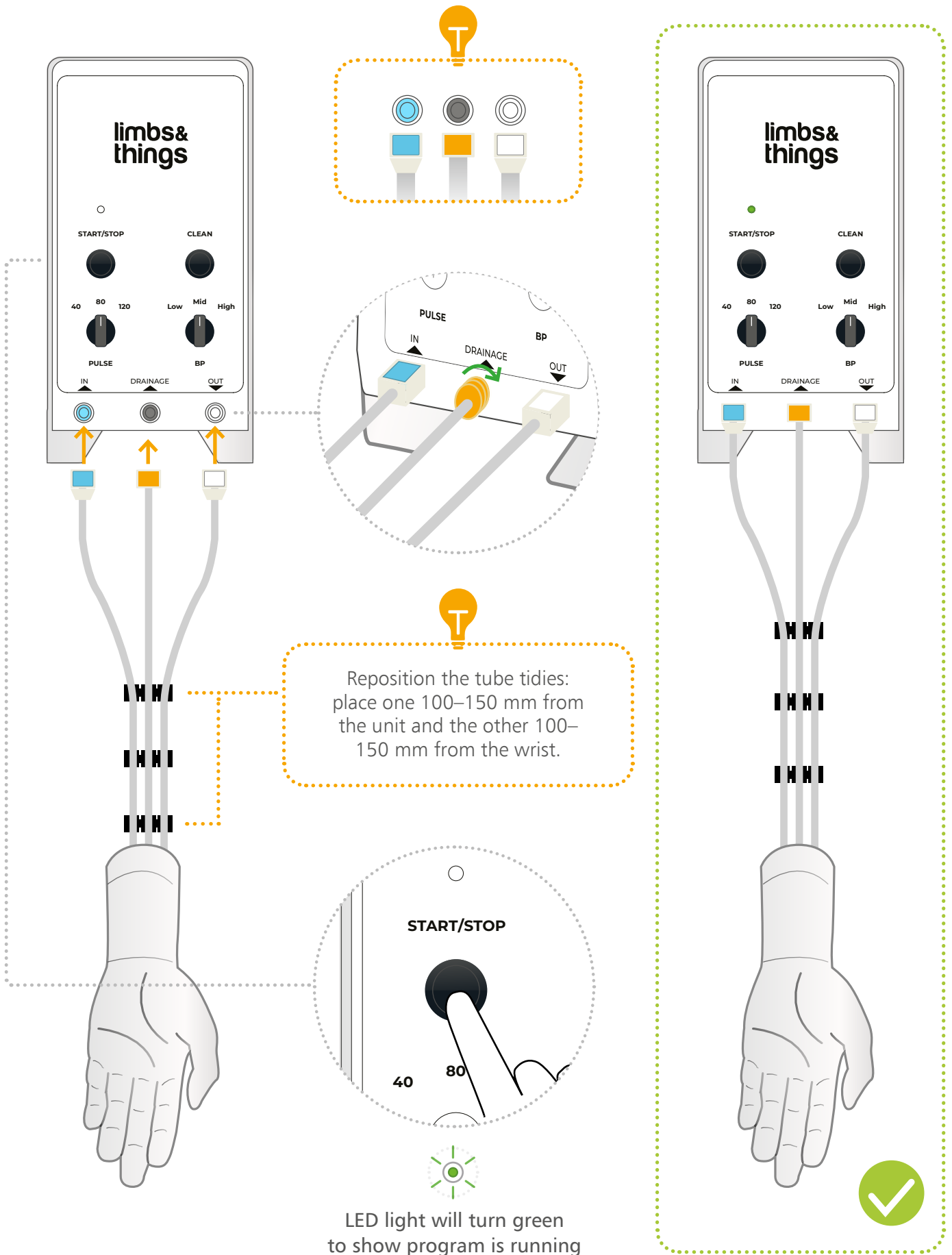
Prepare your blood as described on the blood refill label



3



4

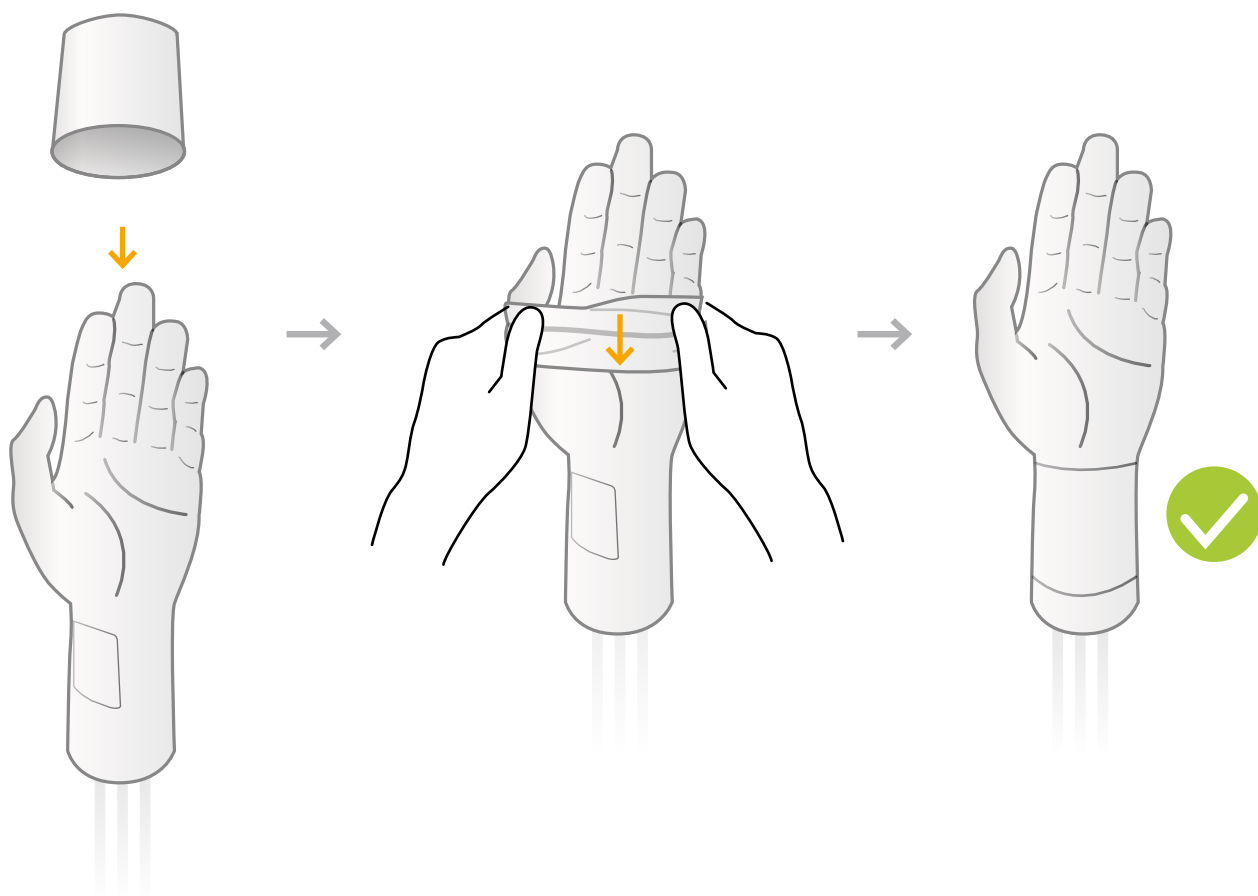
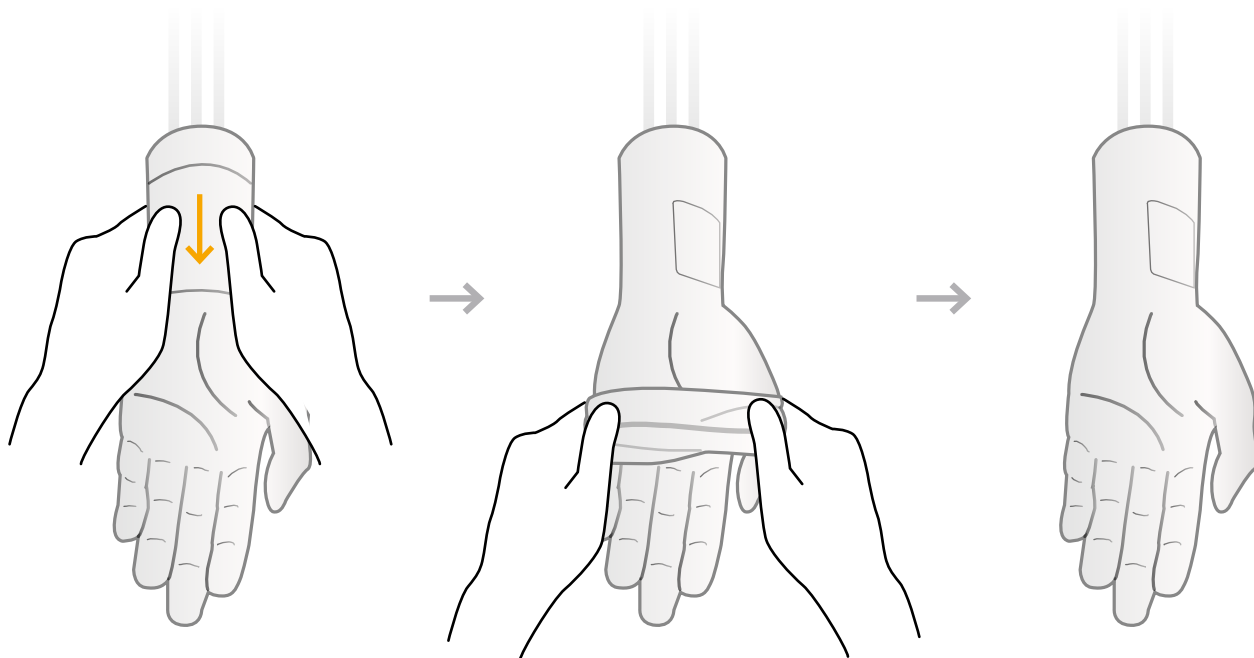


To ensure optimal performance after storage, run the pump for 3–5 minutes to prime the system.

SET UP

CHANGING SKIN CUFF

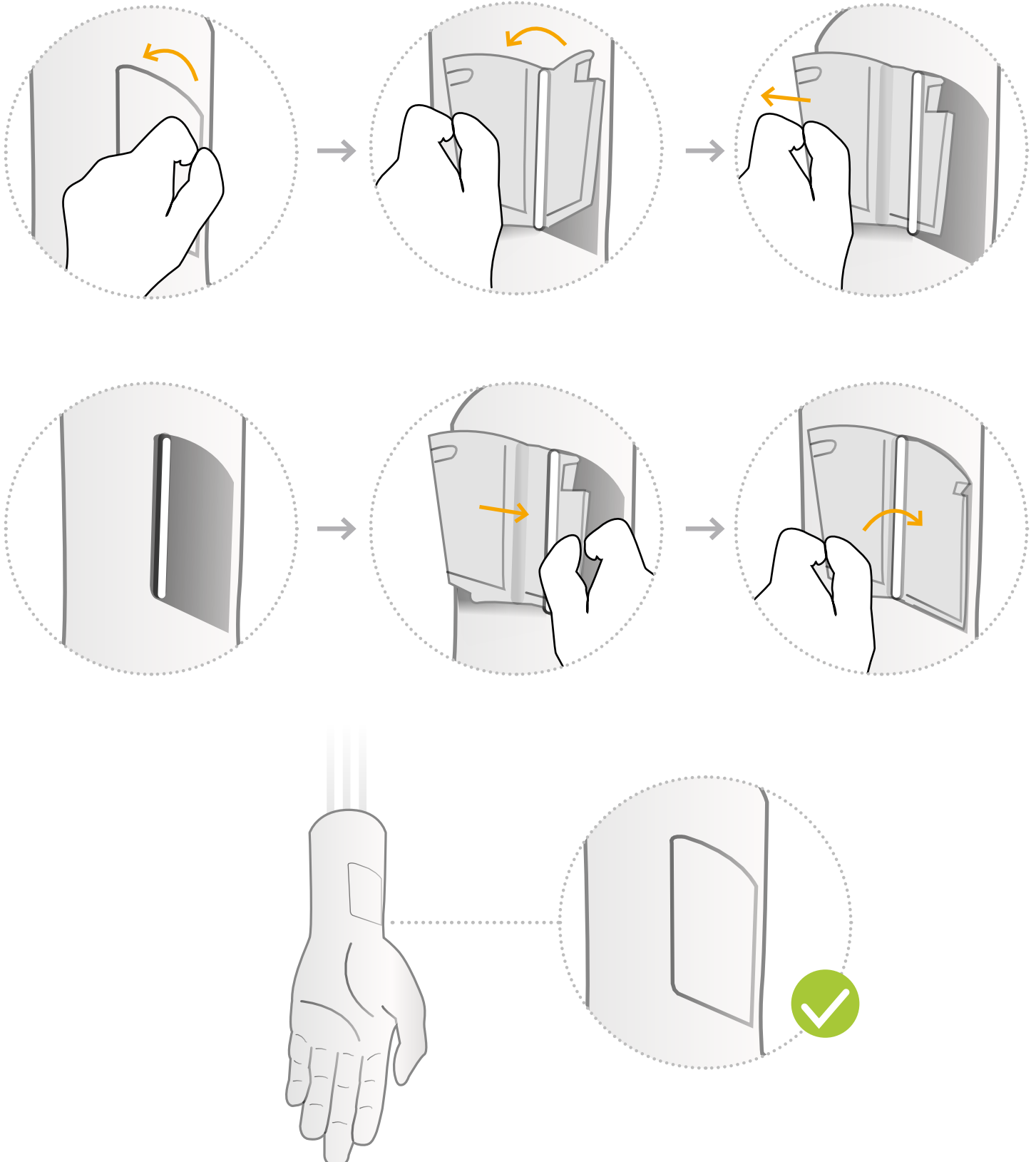
Before proceeding, press STOP. The LED should change to blue.



SET UP

CHANGING PADS

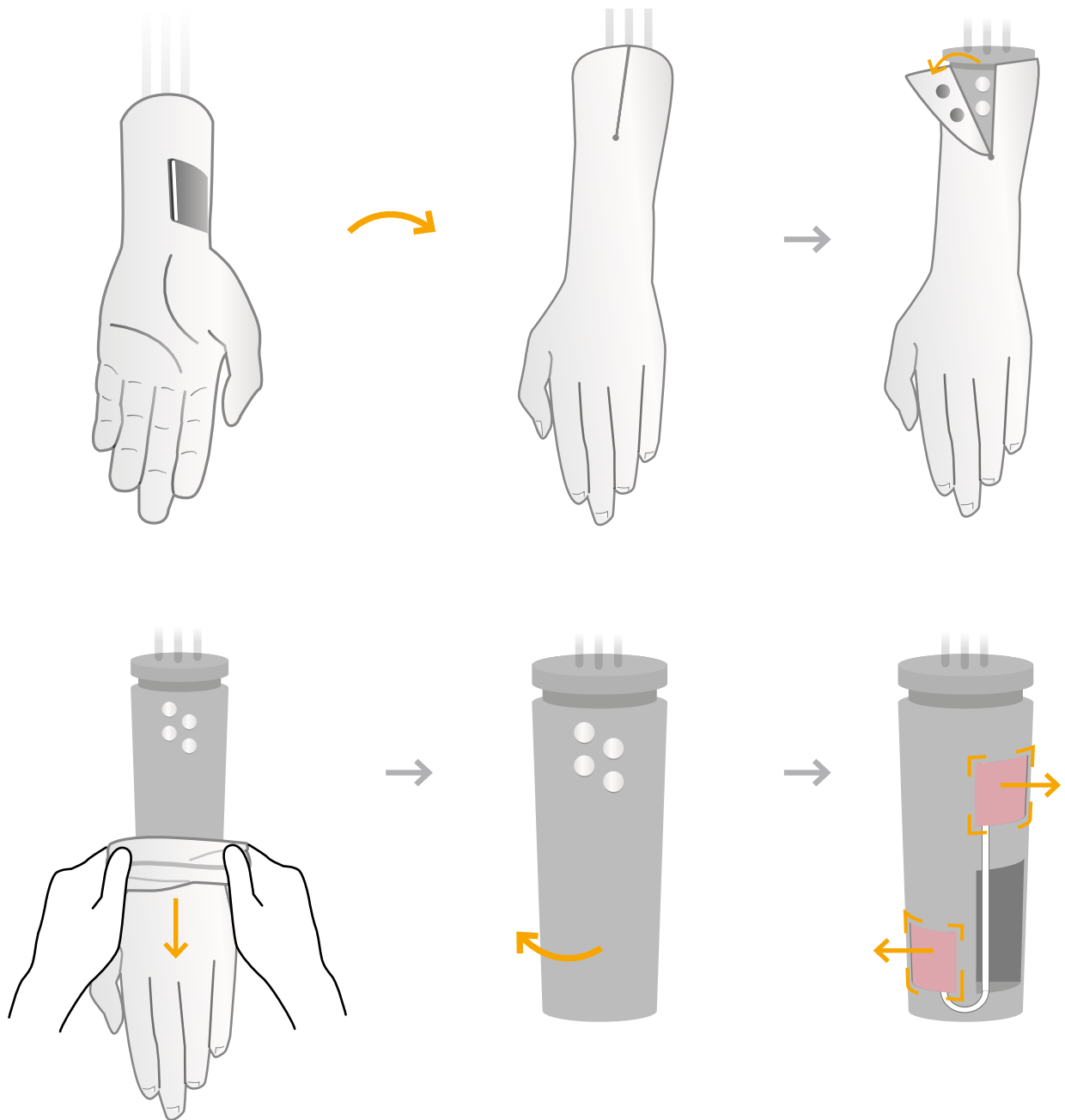
- Before proceeding, press STOP. The LED should change to blue.
- Remove skin cuff if present.

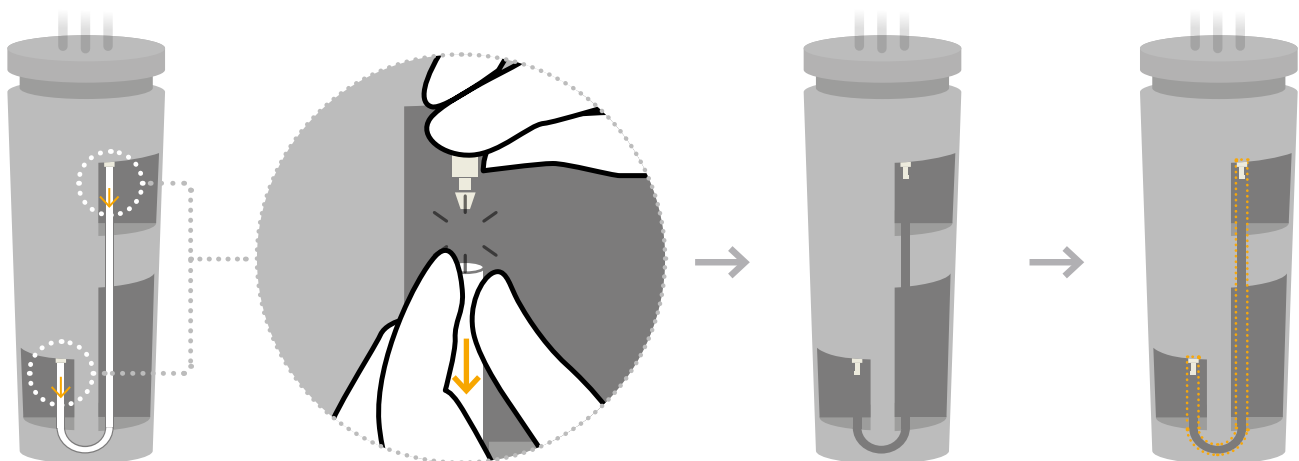


SET UP

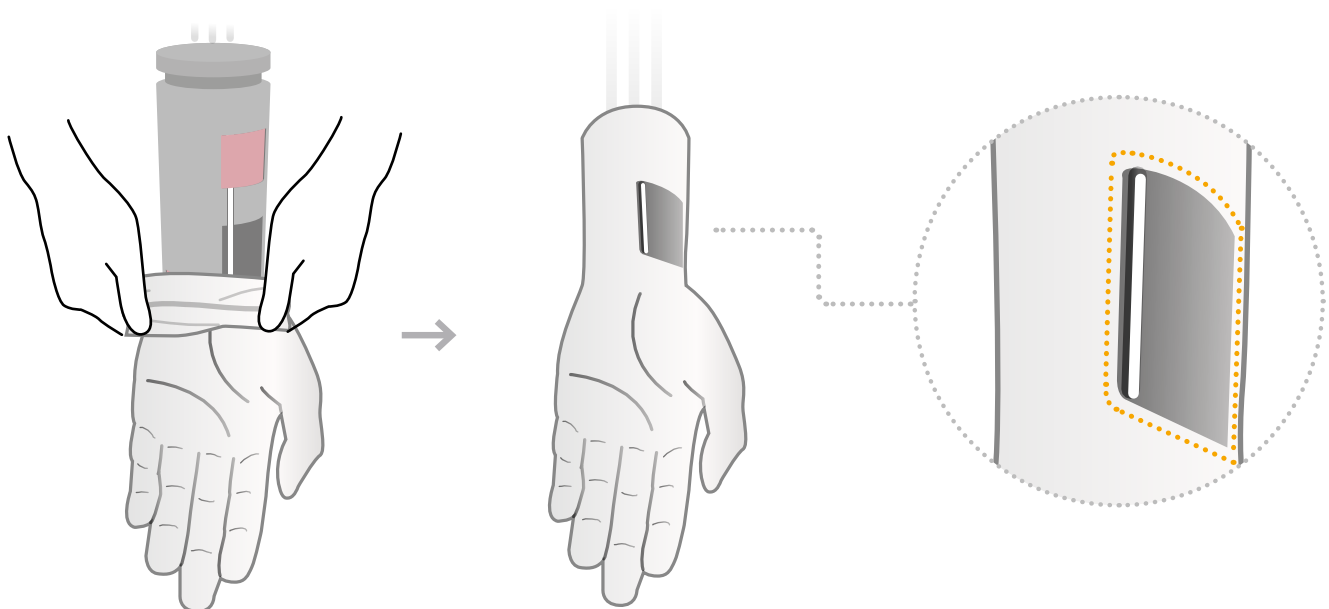
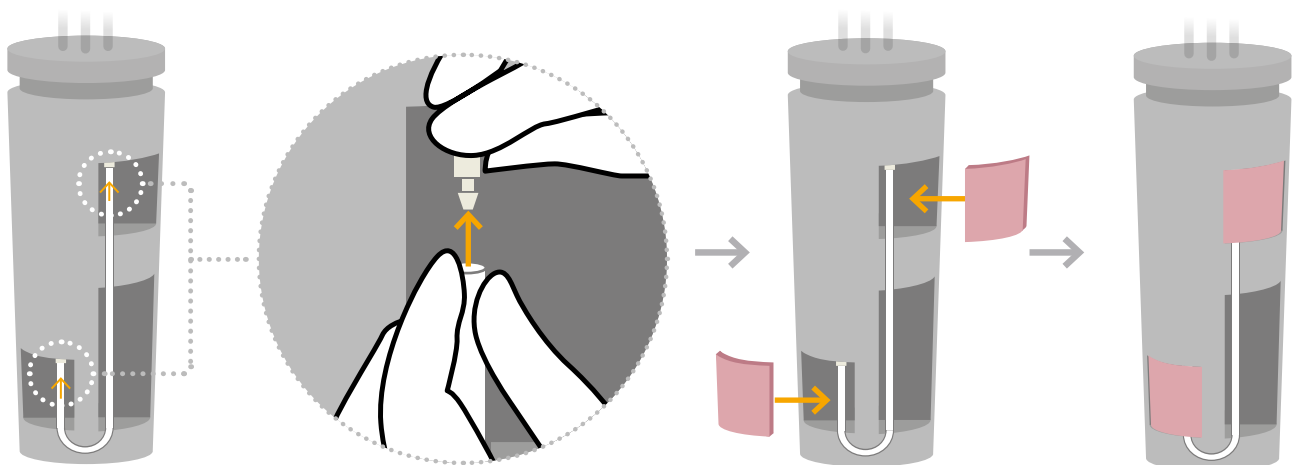
CHANGING VESSELS

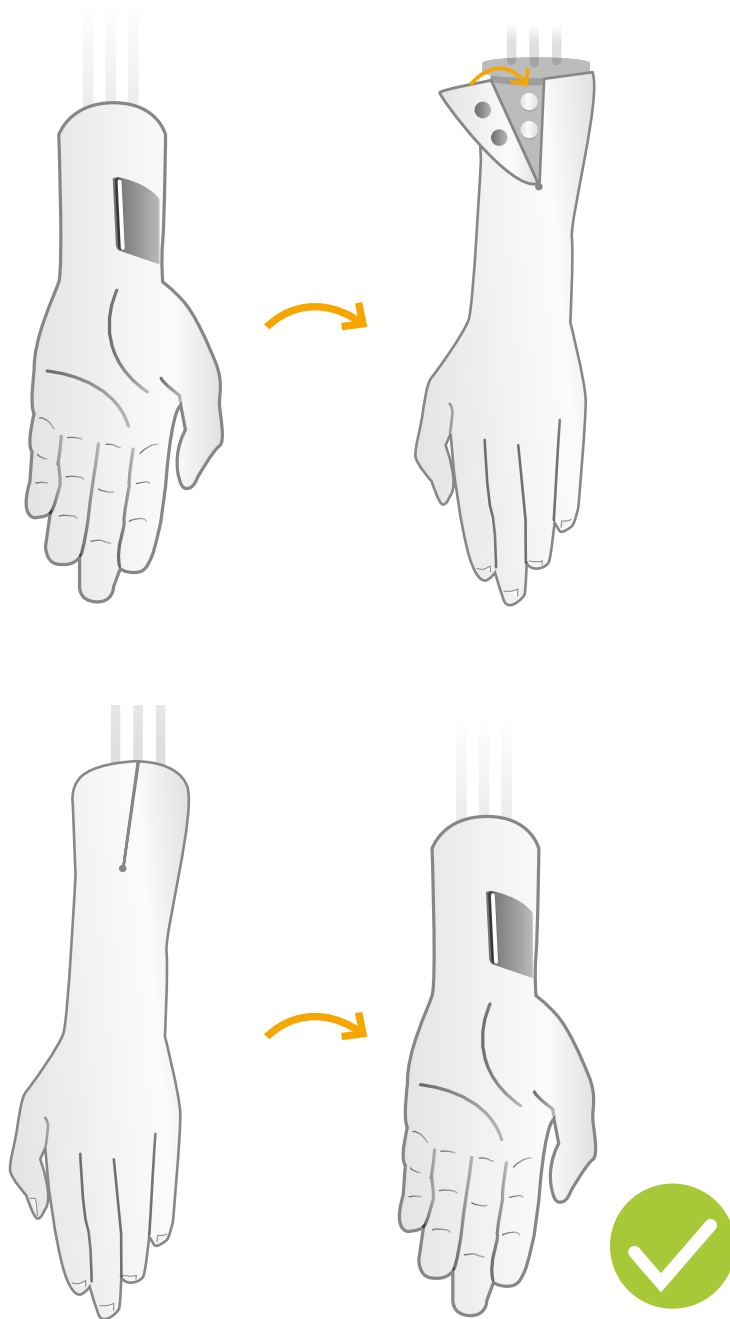
- Before proceeding, press STOP. The LED should change to blue.
- Remove skin cuff if present.
- Take out pad.





Ensure that the vessel remains within its designated channel.



**Recommended Equipment**

20G. Radial artery catheterization set (22G needle with a 20G cannula)
23G. Arterial blood sampling kit with dry lithium heparin for gases & electrolytes.

SET UP

CONTROL SETTINGS

STATUS - LED Colour:

- BLUE** – Standby
- GREEN** – Program running
- YELLOW** – Cleaning Cycle
- RED** – Error

START / STOP

Starts and stops the program.

PULSE RATES:

Toggle through each position to try different Pulse rates.

- 40 bpm
- 80 bpm
- 120 bpm

CLEAN:

Press and hold the CLEAN button for 2 seconds until the LED turns yellow; the 30-second cleaning cycle will start and can be stopped anytime by pressing the button again.

BP BLOOD PRESSURES:

Toggle through each position to try different blood pressures.

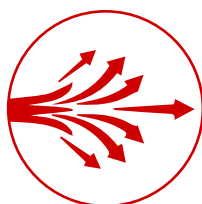
- LOW
- MID
- HIGH

PRESSURES ARE HAPTIC REPRESENTATIONS

(not the same applied pressures as found in humans).

For Guidance:

LOW - represents BP: 90/60
 MID - represents BP: 120/80
 HIGH - represents BP: 150/110

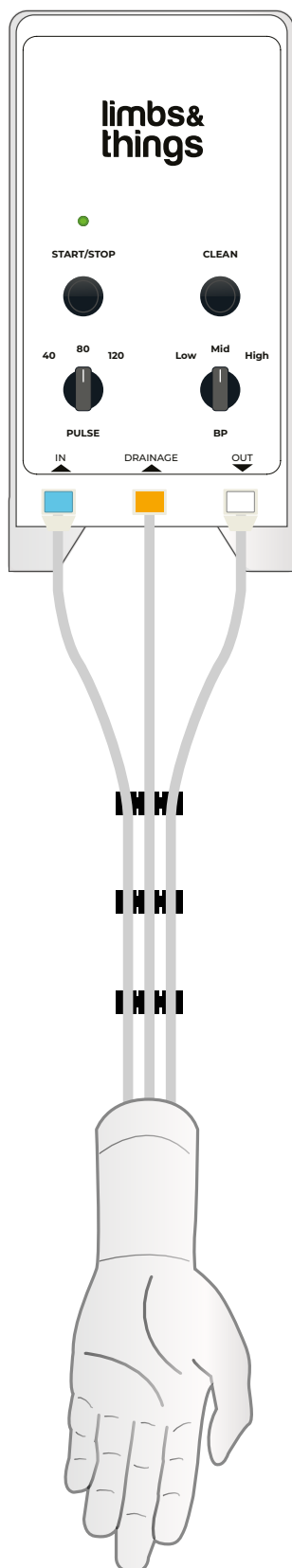


Please note: This is a pressurised system.

When cannulating, fluids will forcefully evacuate the artery, we therefore advise not to stand directly in front of the cannula.

CLEANING & STORAGE

CLEANING CYCLE



Cleaning Cycle Instructions

Start cycle – Press and hold the Clean Cycle button for 2 seconds.

Prepare – When Clean Cycle is finished, remove the blood bottle. Rinse and replace with a bottle filled with clean water and Milton (30ml per 500ml of water).

Press start – Press start to prime the system with water and let it run for 30 seconds.

Restart – Press the Clean Cycle button again to complete the rinse.

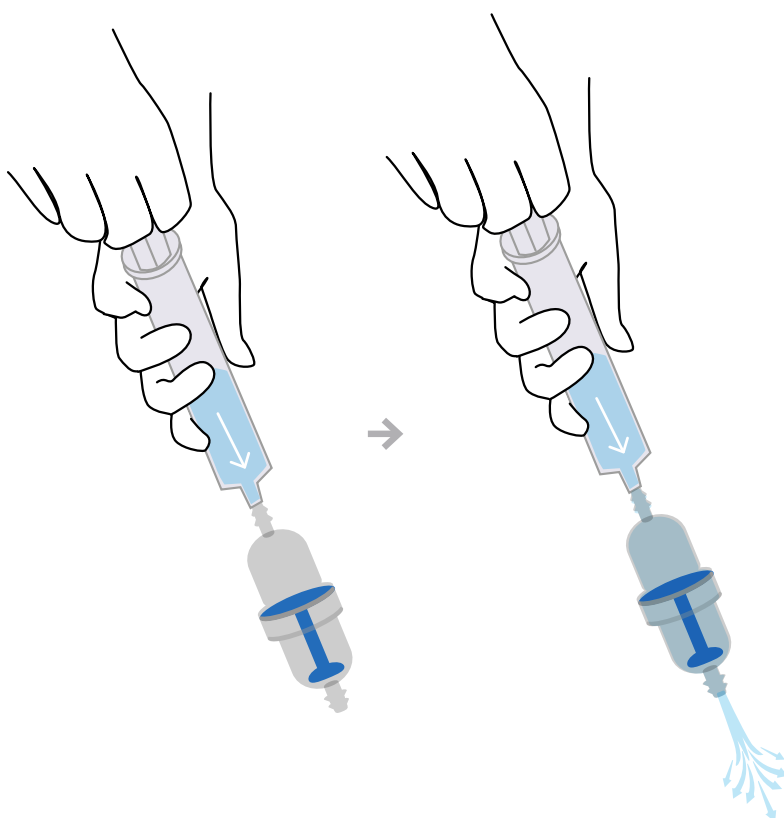
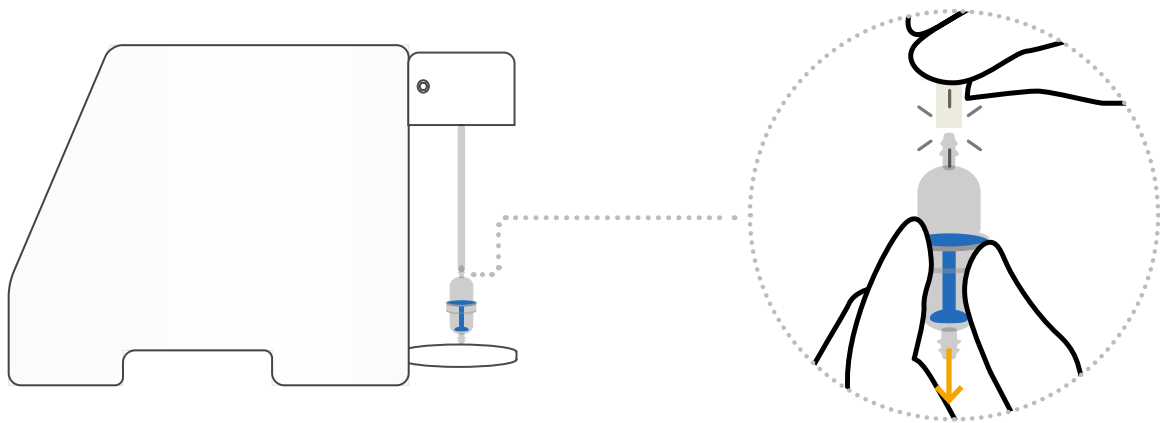
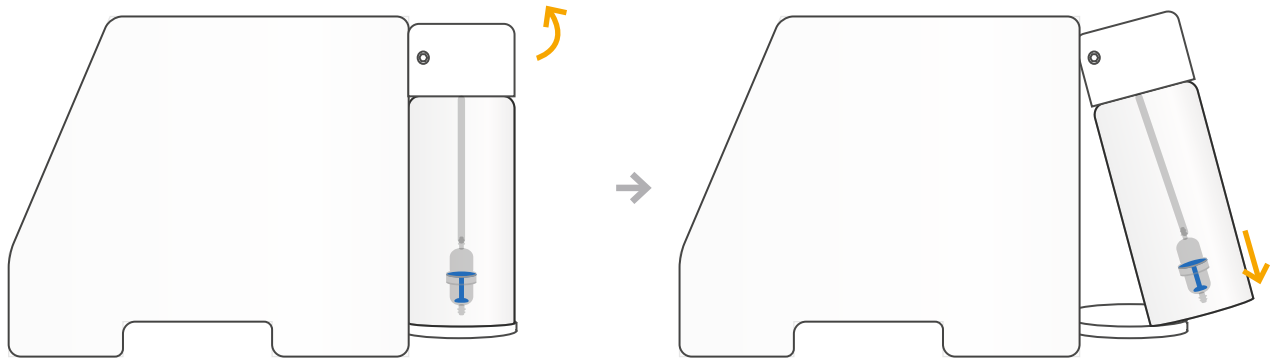
Empty – Remove the bottle of water and empty it.

Final step – Replace the bottle, dry it thoroughly, and store it in a clean, dry place.



CLEANING & STORAGE

CLEANING THE FILTER



If sediment has built up, remove the filter as shown, clean and reattach to the tube, this way up.

EU Declaration of Conformity

We Limbs & Things Ltd:

Business name: Limbs & Things Ltd
Address: Sussex Street, Bristol, UK, BS2 0RA
Country: United Kingdom

declare under our sole responsibility for the equipment:

Equipment name: Arterial Puncture Wrist
Model or type: 72500 / 72501
Batch, or serial number: N/A

That the equipment is in conformity with the following relevant Union harmonisation legislation:

- Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits
- Directive 2014/30/EU relating to electromagnetic compatibility
- Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment
- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- Directive 2012/19/EU of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment (WEEE)

and that the equipment is in conformity with the following harmonised standards and/or other normative documents or technical specifications:

- EN 61010-1:2010+A1:2019
- EN 61326-1:2021 Class A / Industrial Immunity
- EN 61000-3-2:2019
- EN 61000-3-3:2013 + A1:2019
- 47 CFR Part 15B:2024 Class A Digital Device
- ICES-003:Issue 7 Class A Equipment

Place and date of issue (of this DoC):
2025-12-08

Signed by or for the manufacturer:



Name: Nick Hull
Function: Managing Director

UKCA Declaration of Conformity

We Limbs & Things Ltd:

Business name: Limbs & Things Ltd
Address: Sussex Street, Bristol, UK, BS2 0RA
Country: United Kingdom

declare under our sole responsibility for the equipment:

Equipment name: Arterial Puncture Wrist
Model or type: 72500 / 72501
Batch, or serial number: N/A

That the equipment is in conformity with the following relevant Union harmonisation legislation:

- Electrical Equipment (Safety) Regulations 2016 relating to electrical equipment designed for use within certain voltage limits
- Electromagnetic Compatibility Regulations 2016 relating to electromagnetic compatibility
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 on the restriction of the use of certain hazardous substances in electrical and electronic equipment
- UK REACH concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- UK WEEE Regulations on waste electrical and electronic equipment (WEEE)

and that the equipment is in conformity with the following harmonised standards and/or other normative documents or technical specifications:

- EN 61010-1:2010+A1:2019
- EN 61326-1:2021 Class A / Industrial Immunity
- EN 61000-3-2:2019
- EN 61000-3-3:2013 + A1:2019
- 47 CFR Part 15B:2024 Class A Digital Device
- ICES-003:Issue 7 Class A Equipment

Place and date of issue (of this DoC):
2025-12-08

Signed by or for the manufacturer:



Name: Nick Hull
Function: Managing Director

TEST CERTIFICATION

Software version	Changes
Electrical Supply:	Input Voltage Range - 110 – 240VAC +/- 10% Input Frequency Range - 50/60Hz +/- 3Hz Output Voltage Rating +12V DC Output Current Range – 2A MAX. System Pressure – 0.2MPa Flowrate - 30 - 100mL/MIN
Environmental conditions: Recommended operation environment for the circulation pump.	Working environment – Indoor Use (avoid exposure to the elements) Operating Temperature - 10°C to +40°C Operating Humidity - 10 to 90% (avoiding condensation) Storage Humidity – 10 to 90% Degree of ingress protection rating – IPX0 Altitude: Up to 2000 meters above sea-level
Materials:	Medical-grade silicone, latex-free, compatible with ultrasound gel
Set-up / Safety:	We recommend placing the unit on a stable, level surface and clean spills immediately.
Cleaning & Maintenance:	Wipe clean; Ensure unit is empty of fluids. Change vessels after suggested no. of procedures. Remove vessels during storage.

YOU MAY
ALSO BE
INTERESTED
IN...

OPTIONAL TO PURCHASE:

VENEPUNCTURE ARM

ADVANCED

70300

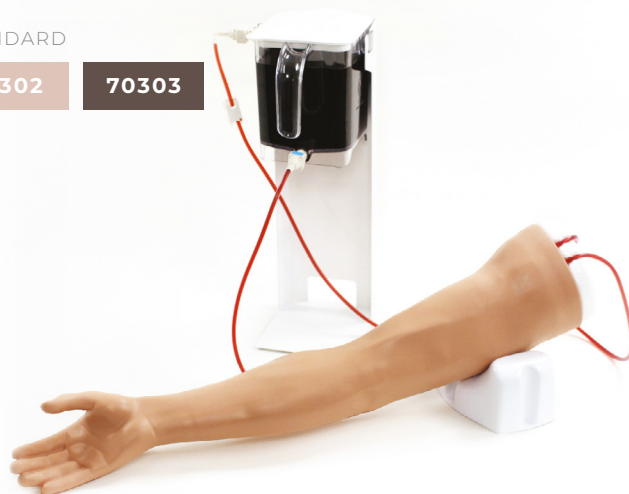
70301



STANDARD

70302

70303



BREAST EXAMINATION TRAINER - ADVANCED & STANDARD

ADVANCED

40201

41201



STANDARD

40200

41200



**limbs&
things**

Issue 02, January 2026
© 2025 Limbs & Things



FM 818255